

The Health Literacy of America's Adults: Results from the 2003 National Assessment of Adult Literacy

Hosted by the National Insitute for Literacy

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Moderated by:

Dr. Sandra L. Baxter, Director, National Institute for Literacy

Panelists:

- Dr. Sheida White
 - Project Director, National Assessment of Adult Literacy, National Center for Education Statistics
- Dr. Ian Bennett
 - Assistant Professor at School of Medicine and a Research Associate at Graduate School of Education at the University of Pennsylvania
- Toni Codell
 - Adult learner nationally known speaker on the topic of health literacy, who draws from her personal struggle with dyslexia.

The National Assessment of Adult Literacy: Health Literacy Results

A webcast presentation

August 29, 2007

Sheida WhiteNAAL Project Officer
National Center for Education Statistics







Discussion Topics

- Brief background
- Definition of Health Literacy
- Measuring Health Literacy
- Comparing Health Literacy with other types of literacy
- Examples of Health Literacy tasks
- Reporting the results
- Describing adults with Below Basic literacy
- Accessing health-related Information





National Assessment of Adult Literacy (NAAL)

- Assessment of the English literacy of U.S. adults
- Conducted in 1992 and 2003
- Nationally representative sample of more than 19,000 adults age 16 and older
- One-on-one administration in households and prisons
- Prose, Document, Quantitative and Health Literacy Scales





What is the Definition of Health Literacy

 The ability of U.S. adults to read, understand, and apply healthrelated information presented in written English to function in society and achieve one's goals.





Measuring Health Literacy

- The NAAL health literacy tasks are specifically designed to measure health literacy.
- The health literacy tasks encompass three domains of information: clinical, prevention, and navigation of the health care system
- The health literacy scale does not measure the ability to obtain information from nonprint sources





Health Item Sample

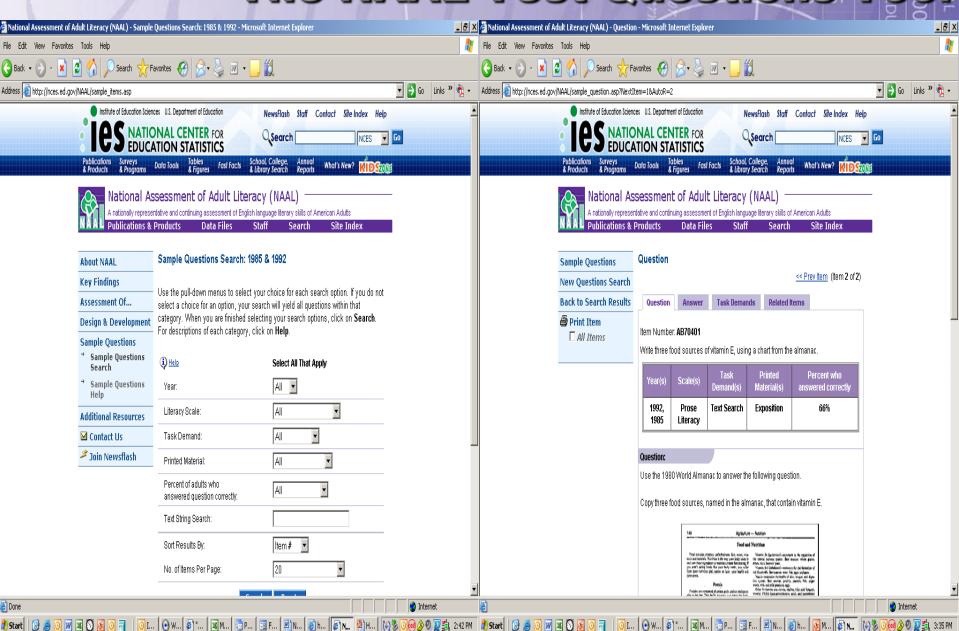
Use the 1980 World Almanac to answer the following question:
--Copy three food sources, named in the almanac, that contain vitamin E.







The NAAL Test Questions Tool





Health Literacy & Literacy Are Closely Related

Similarities:

 Both involve the ability to recognize and understand words, search text, and make text-based inferences

Differences:

- The health literacy scale requires some information about health and the U.S. health system, including:
 - common health-related vocabulary
 - typical structure of written health materials
 - workings of the health care system



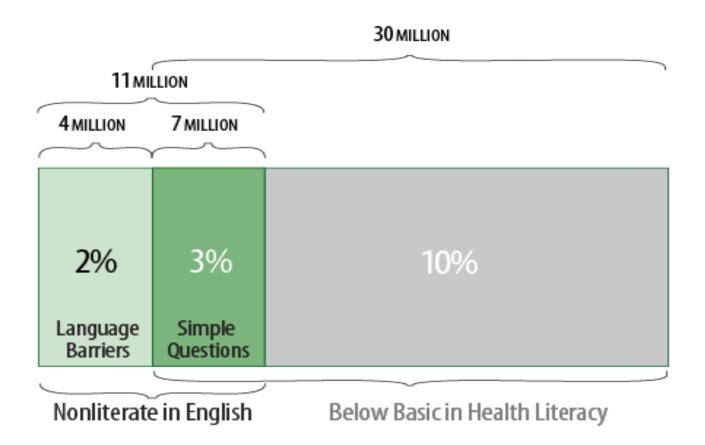
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Reporting Results



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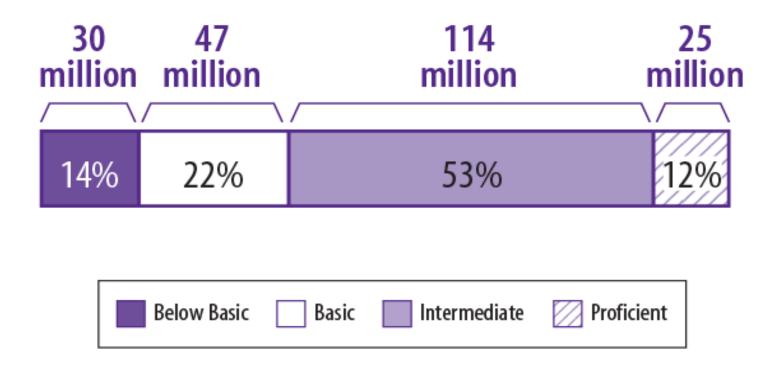
Overlap Between *Below Basic* and *Nonliterate* in English





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Number & Percentage of Adults in Each Health Literacy Level: 2003



NOTE: Adults are defined as people 16 years of age and older living in households or prisons. Adults who could not be interviewed due to language spoken or cognitive or mental disabilities (3 percent in 2003 and 4 percent in 1992) are excluded from this figure.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, 2003 National Assessment of Adult



Literacy.

Examples of Tasks that Adults with *Basic* or *Below Basic Literacy* May Not Be Able to Do

- Approximately 80 million adults have less than 67 percent probability of successfully answering the following questions:
 - Interpret an over-the-counter drug label
 - Know when a child should receive a vaccine from a chart
 - Use a body mass index (BMI graph).

SOURCE: Kutner, M., Greenberg, E., Jin, Y., and Paulsen, C. (2006). The Health Literacy of America's Adults: Results From the 2003 National Assessment of Adult Literacy (Figure 1.1) (NCES 2006-483). U.S. Department of Education. Washington, DC: National Center for Education Statistics.

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Percentage of Adults in the **Below Basic** Health Literacy NAAL Population: 2003

Characteristic	Percent in Below Basic population	Percent in total population
Did not graduate from high school	51	15
Did not speak English before starting school	39	13
Adults reporting poor health	10	4
Hispanic adults	35	12
Age 65+	31	15
No medical insurance	36	18
Did not obtain health information over the Internet ¹	80	43
Black adults	19	12
One or more disabilities ²	48	30

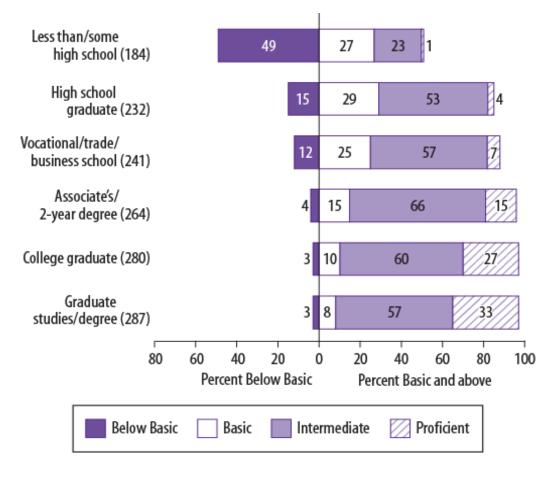
SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, 2003 National Assessment of Adult Literacy (NAAL).

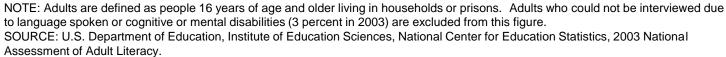


¹The "Did not obtain health information over the Internet" category does not include prison inmates because they do not have access to the Internet. ²Disabilities include vision, hearing, learning disability, and other health problems.



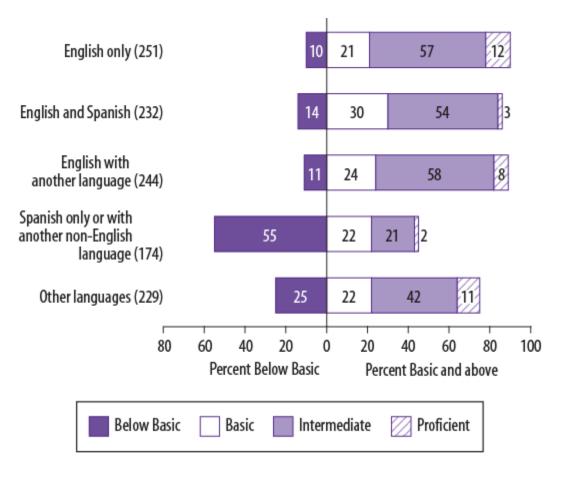
Percentage of Adults in Each Health Literacy Level, by Educational Attainment : 2003

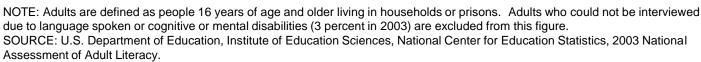






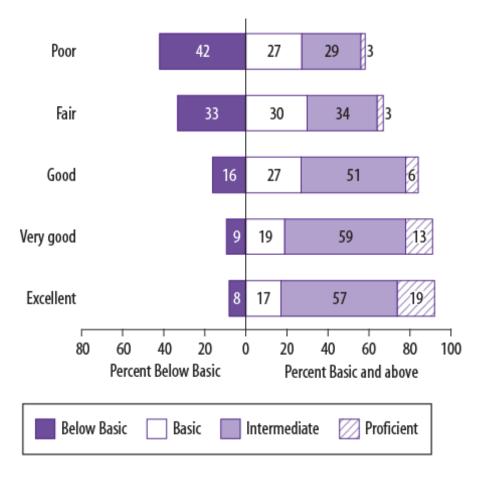
Percentage of Adults in Each Health Literacy Level, by Languages Spoken Before Starting School: 2003

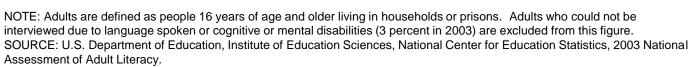






Percentage of Adults in Each Health Lite actives Level, by Self-Assessment of Overall Health: 2003

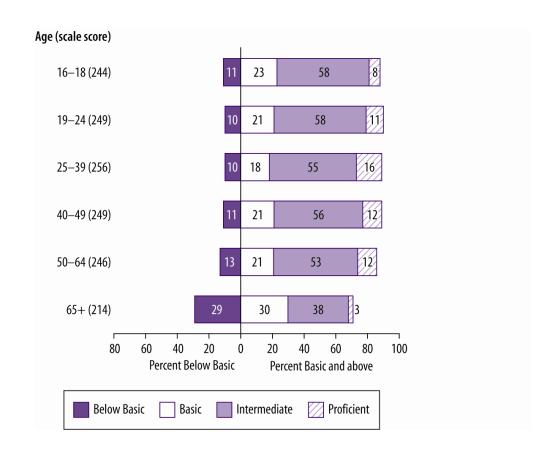








Percentage of Adults at Each Health Literacy Level, by Age: 2003



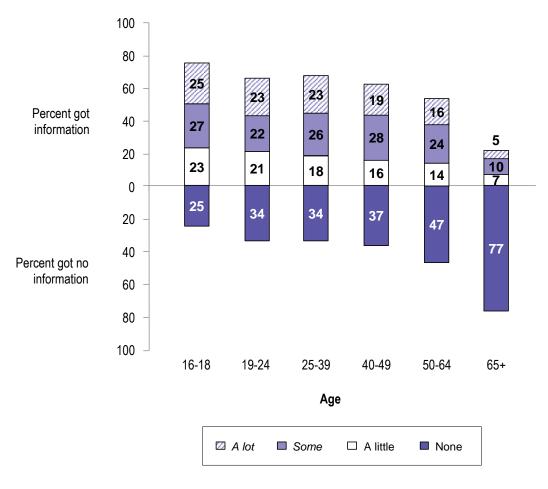


Accessing Health information





Percentage of adults obtaining health information from the Internet by age: 2003





Accessing NAAL Data

- Public-use data files and user guide available on the NAAL web site
- Restricted-use data files:
 - On CD-ROM
 - Requires special license
 - Includes user guide and electronic code book
- NAAL Data File Training





Upcoming Reports

- National Assessment of Adult Literacy: Indirect County and State Estimates for 1992 and 2003
- The Basic Reading Skills of America's Adults: Results From the 2003 National Assessment of Adult Literacy
- Technical Report and Data File User's Manual
- Understanding Functional Literacy: A Multidimensional Theory of Functional Literacy and its Application to the National Assessment of Adult Literacy



Visit NAAL Websiter http://nces.ed.gov/naal





Literacy in Everyday Life Results From the 2003 National Assessment of Adult Literacy

Literacy Behind Bars Results From the 2003

National Assessment of **Adult Literacy Prison Survey**





Toni Cordell

Adult Learner Health Literacy Expert



Question and Answer Period

Thank you for joining us for today's webcast. The webcast will be archived at our website in about two weeks.

The National Institute for Literacy provides leadership on literacy issues across the lifespan. For more information about this and our other proejcts, visit us online: http://www.nifl.gov.